



CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005



Job No.: CTCE/BBMP/W.No.01/HSP/CSR.5/813m/CEMENT/2015-16



Date: 07.05.2015

TEST REPORT ON CEMENT

* CUSTOMER	: Asst. Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
* AGENCY	: Mr. H.S. Palakshamurthy, No.1, 2 nd Main, BDA Layout, Pattegar Palaya, Near Prashanthnagara.
* NAME OF THE WORK	: Providing Signage and Ornamental boards in Ward No.01 of Yelahanka Sub Division, BBMP, Bangalore.
REFERENCE	: AEE/BBMP/YSD/AE-1/89/2015-16 Dated: 04.05.2015
SAMPLE ID	: Cement
SAMPLE RECEIVED ON	: 04.05.2015
PERIOD OF TESTING	: 04.05.2015 to 07.05.2015

The results of the tests conducted on the cement sample are as follows:

Sl. No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 8112-2013
1	Standard Consistency	IS-4031 (Part -4) 1988(RA-2009)	28.00 %	
2	a) Initial Setting Time	IS-4031 (Part -5) 1988(RA-2009)	155 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5) 1988(RA-2009)	480 Minutes	Not More than 600 Minutes
3	Soundness by Le Chatelier Method	IS-4031 (Part-5) 1988(RA-2009)	1 mm	Not more than 10mm

*Information is furnished by the Customer/Representative.

Note:

- ⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.
- ⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.
- ⇒ Any Query regarding the report must be reported within 30 days from the date of testing

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VISHWANATH I.A.
Chief Executive Officer



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Job No.: CTCE/BBMP/W.No.01/HSP/CSR.5/BI3a/SAND-Gradation/2015-16

: 07.05.2015

TEST REPORT ON DETERMINATION GRADATION OF FINE AGGREGATES

* Customer : Asst. Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.

* Agency : Mr. H.S. Palakshamurthy,
No.1, 2nd Main, BDA Layout, Pattegare Palaya, Near Prashanthnagara.

* Name of Work : Providing Signage and Ornamental boards in Ward No.01 of Yelahanka Sub Division, BBMP, Bangalore.

Reference : AEE/BBMP/YSD/AE-1/89/2015-16 Dated: 04.05.2015

Technical Reference : IS : 2386 Part 1 - 1963 RA-2007

Sample ID : Fine Aggregates

Sample Received on : 04.05.2015

Date of Testing : 07.05.2015



Total Wt. of Aggregates in gms 1000

Is Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS 383-1970 (RA- 2007)			
		Zone-I	Zone-II	Zone-III	Zone-IV
10	100	100	100	100	100
4.75	92.74	90-100	90-100	90-100	95-100
2.36	80.00	60-95	75-100	85-100	95-100
1.18	57.64	30-70	55-90	75-100	90-100
600 Micron	26.39	15-34	35-59	60-79	80-100
300 Micron	13.55	5-20	8-30	12-40	15-50
150 Micron	4.90	0-10	0-10	0-10	

* Information is furnished by the Customer/Representative

Remarks : This sample is under Zone-I specific limits.

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ANALYST

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VISHWANATH I.A.
Asst. Executive Officer



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Job No: CTCE/BBMP/W.No.01/HSP/CSR.5/813n/AGG/GR/2015-16

08.05.2015

TEST REPORT ON DETERMINATION GRADATION OF COARSE AGGREGATES

* Customer : Asst. Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.

* Agency : Mr. H.S. Palakshamurthy,
No.1, 2nd Main, BDA Layout, Pattegare Palaya, Near Prashanthnagara.

* Name of Work : Providing Signage and Ornamental boards in Ward No.01 of Yelahanka Sub Division, BBMP, Bangalore.

Reference : AEF/BBMP/YSD/AE-1/89/2015-16 Dated: 04.05.2015

Technical Reference : IS : 2386 Part 1 -1963 RA-2007

Sample ID : Coarse Aggregates (40mm)

Sample Received on : 04.05.2015

Date of Testing : 08.05.2015



Total Wt. of Aggregates in gms= 10000

Is Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS 383-1970 (RA- 2007)	
		Graded	Single Sized
80	100	100	-
63	100	-	100
40	96.85	95-100	85-100
20	50.95	30-70	0-20
10	27.60	10-35	0-5
4.75	4.00	0-5	-

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Remarks : This sample is under graded specific limits.

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VISHWANATH I.A.
Asst. Executive Officer

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore 79.

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: 08.05.2015

TEST REPORT ON DETERMINATION GRADATION OF COARSE AGGREGATES

* Customer : Asst. Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
* Agency : Mr. H.S. Palakshamurthy,
No.1, 2nd Main, BDA Layout, Pattegate Palaya, Near Prashanthnagara.
* Name of Work : Providing Signage and Ornamental boards in Ward No.01 of Yelahanka Sub
Division, BBMP, Bangalore.
Reference : AEE/BBMP/YSD/AE-1/89/2013-16 Dated: 04.05.2015
Technical Reference : IS : 2386 Part 1 -1963 RA-2007
Sample ID : Coarse Aggregates (20mm)
Sample Received on : 04.05.2015
Date of Testing : 08.05.2015



Total Wt. of Aggregates in gms= 5000

Is Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS :383-1970 (RA- 2007)	
		Graded	Single Sized
40	100	100	100
20	91.50	95-100	85-100
10	16.30	25-55	0-20
4.75	3.22	0-10	0-5

* Information is furnished by the Customer/Representative

Remarks : This sample is under Single Sized specific limits

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VISHWANATH, I.A.
Asst. Executive Engineer

Name of Work :- Providing signage and ornamental boards in ward no 01 of Yelahanka

Sub Division




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